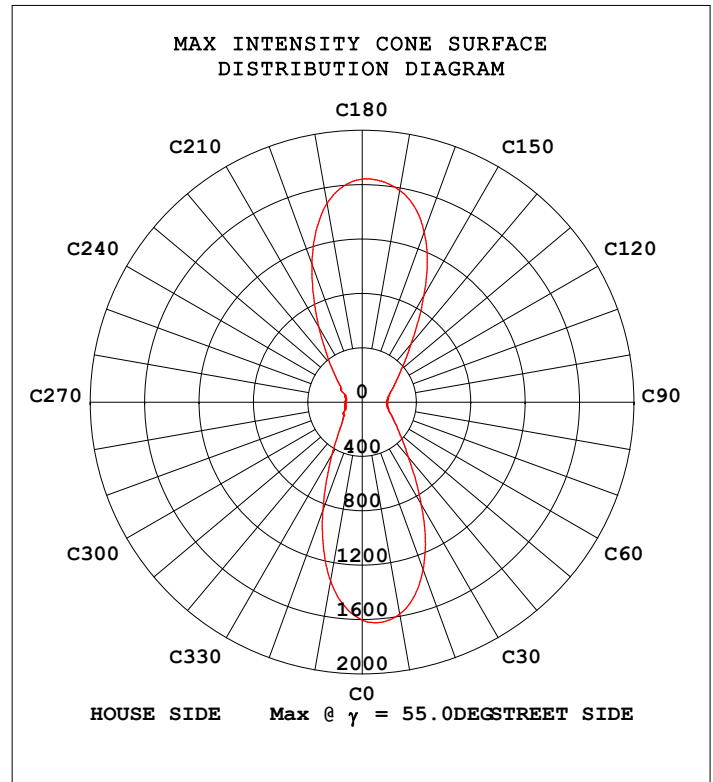
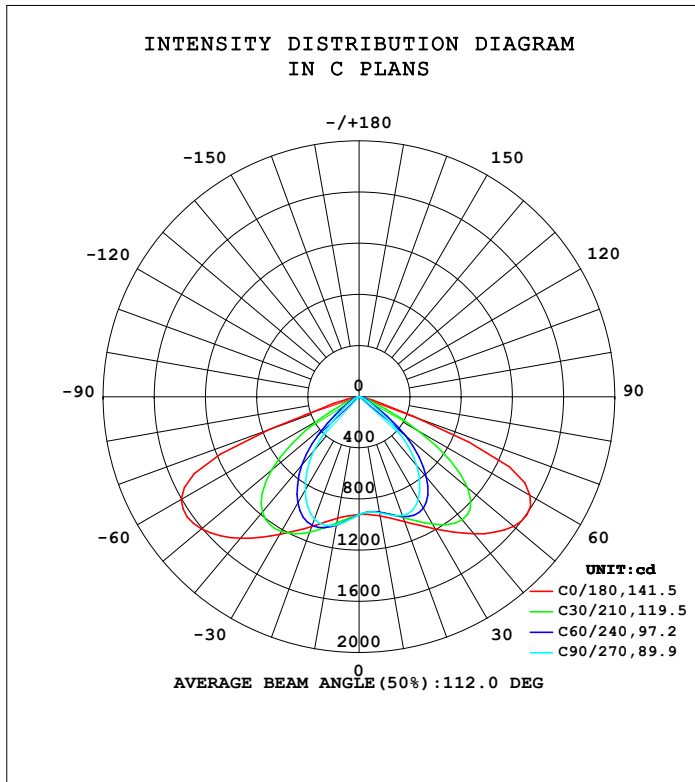


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98ROUTE30SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 320 x 130 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	98ROUTE30SMD	Imax (cd)	1642	η street_up (%)	0.0
NOMINAL POWER (W)	30	LOR (%)	104.7	η street_down (%)	55.9
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	3142	η house_up (%)	0.0
NOMINAL FLUX (lm)	3000	MAXIMUM @ (C, γ)	180, 55.0	η house_down (%)	48.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	104.7	SLI	15.721

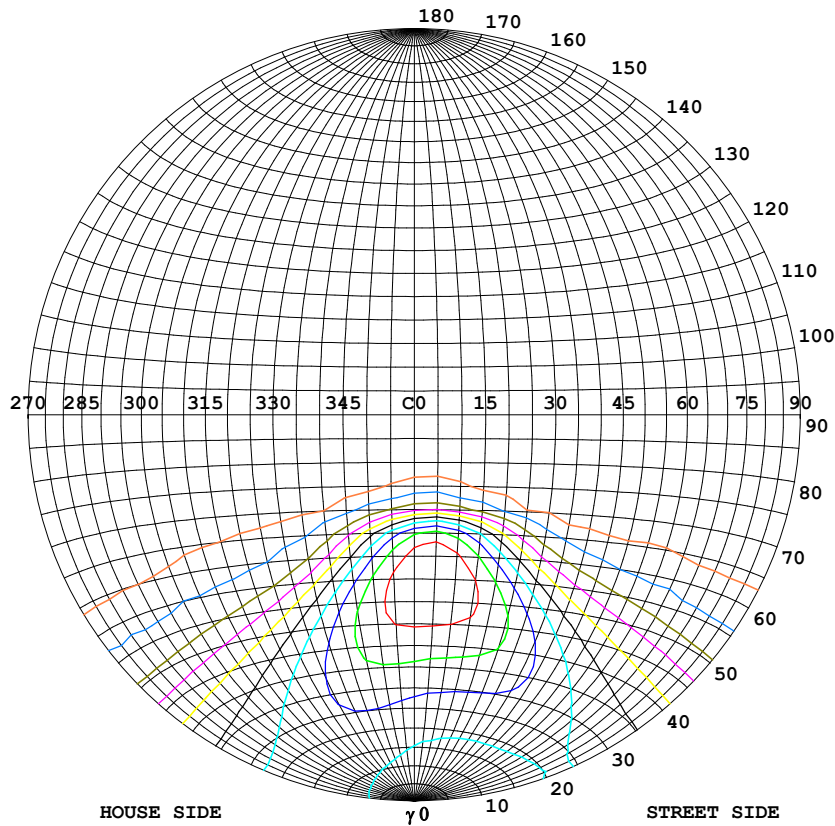


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 01 November 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

NAME: 98ROUTE30SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 320 x 130 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



Classification:

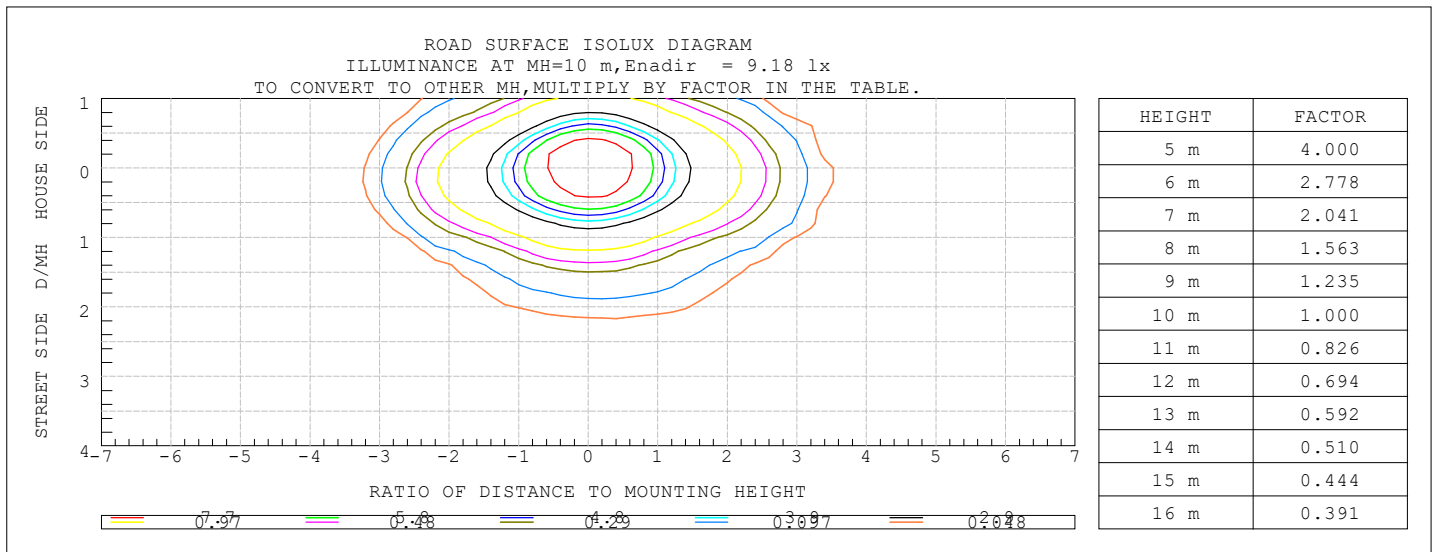
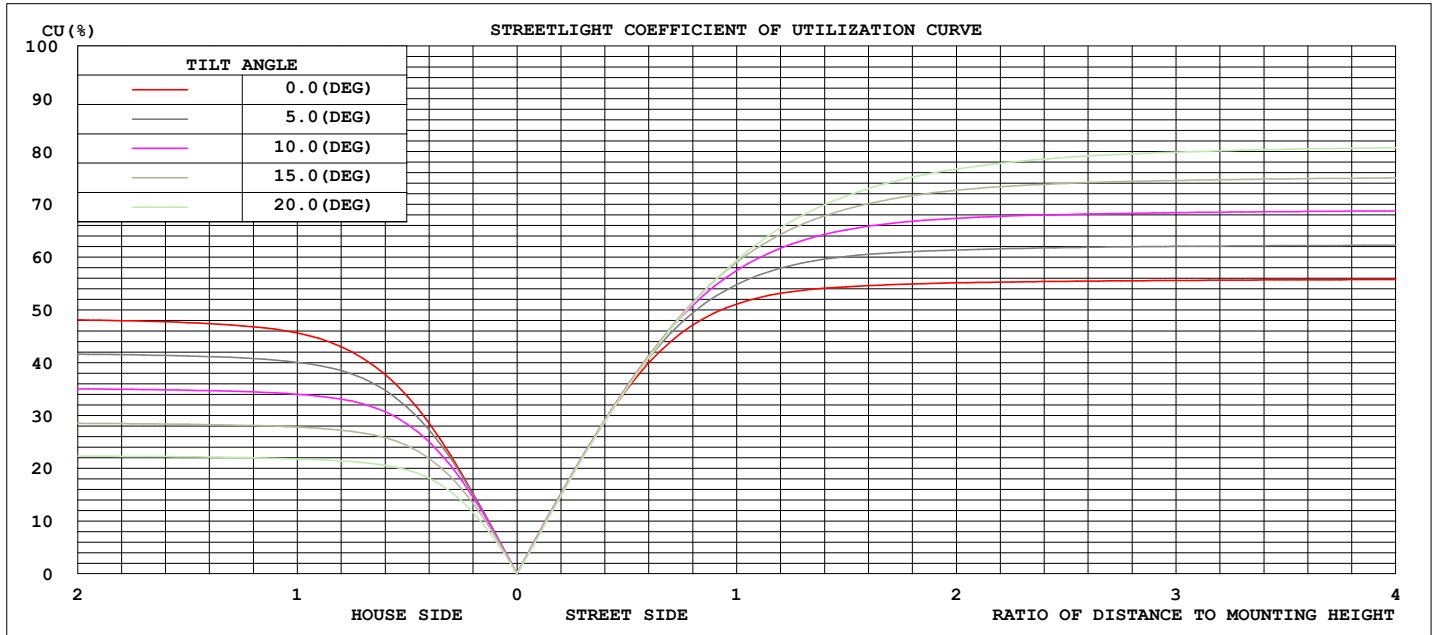
IES:Type I - Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:18.95cd/klm
Max.At90:2.988cd/klm
Max.80-90:18.95cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1642
90%	1477
80%	1313
70%	1149
60%	985
50%	821
40%	657
30%	492
20%	328
10%	164
5%	82

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 November 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 01 November 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

NAME: 98ROUTE30SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 320 x 130 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

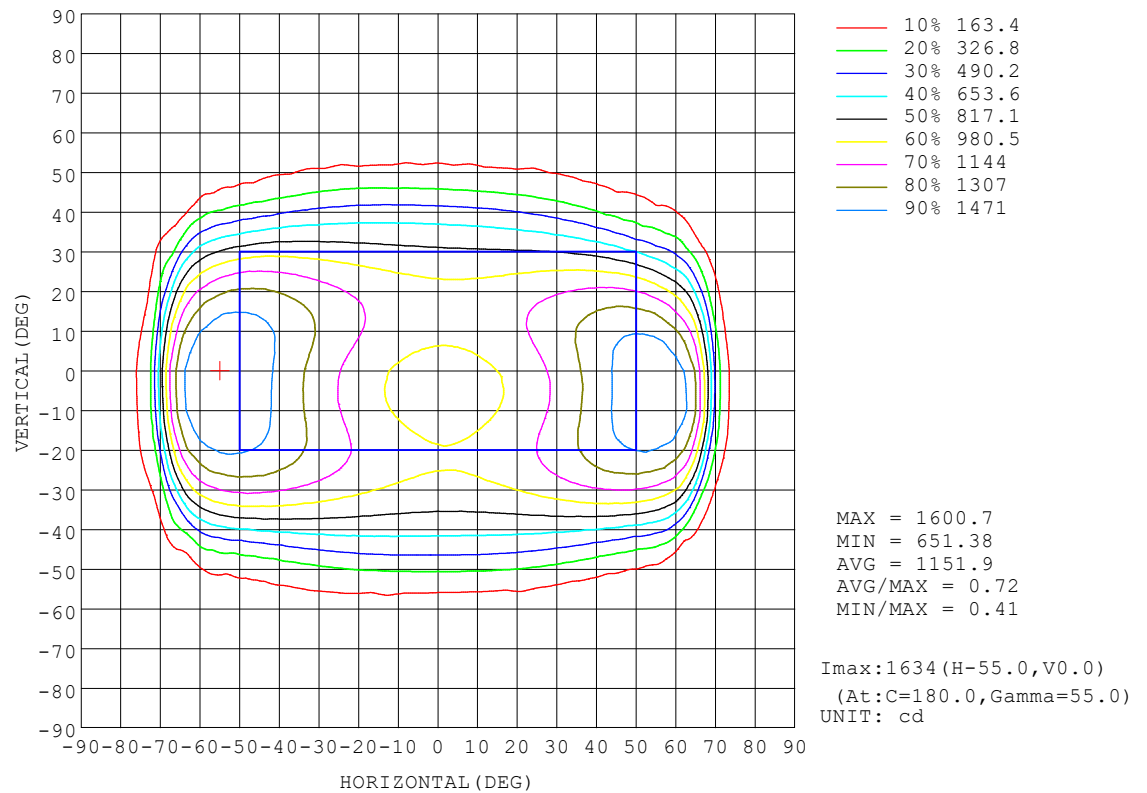
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	944.9	915.5	921.7	928.7	964.1	1013	1018	996.8	0- 10	90.00	90.00	2.86,3
20	1039	1003	987.2	1032	1078	1106	1019	1075	10- 20	285.6	375.6	12,12.5
30	1194	1092	926.4	1121	1243	1086	844.5	1031	20- 30	492.1	867.7	27.6,28.9
40	1398	1018	701.4	1041	1443	879.8	549.9	793.9	30- 40	651.5	1519	48.4,50.6
50	1577	673.9	350.6	697.0	1608	509.4	197.2	398.4	40- 50	685.2	2204	70.2,73.5
60	1543	205.5	108.3	234.0	1607	136.2	70.32	133.7	50- 60	548.8	2753	87.6,91.8
70	452.4	57.06	41.16	82.93	741.0	51.13	31.17	46.91	60- 70	309.4	3063	97.5,102
80	29.59	30.68	16.73	34.63	56.85	26.61	11.22	22.45	70- 80	63.36	3126	99.5,104
90	6.234	2.403	0.3567	6.179	6.948	1.245	0.4166	1.250	80- 90	15.61	3142	100,105
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 November 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

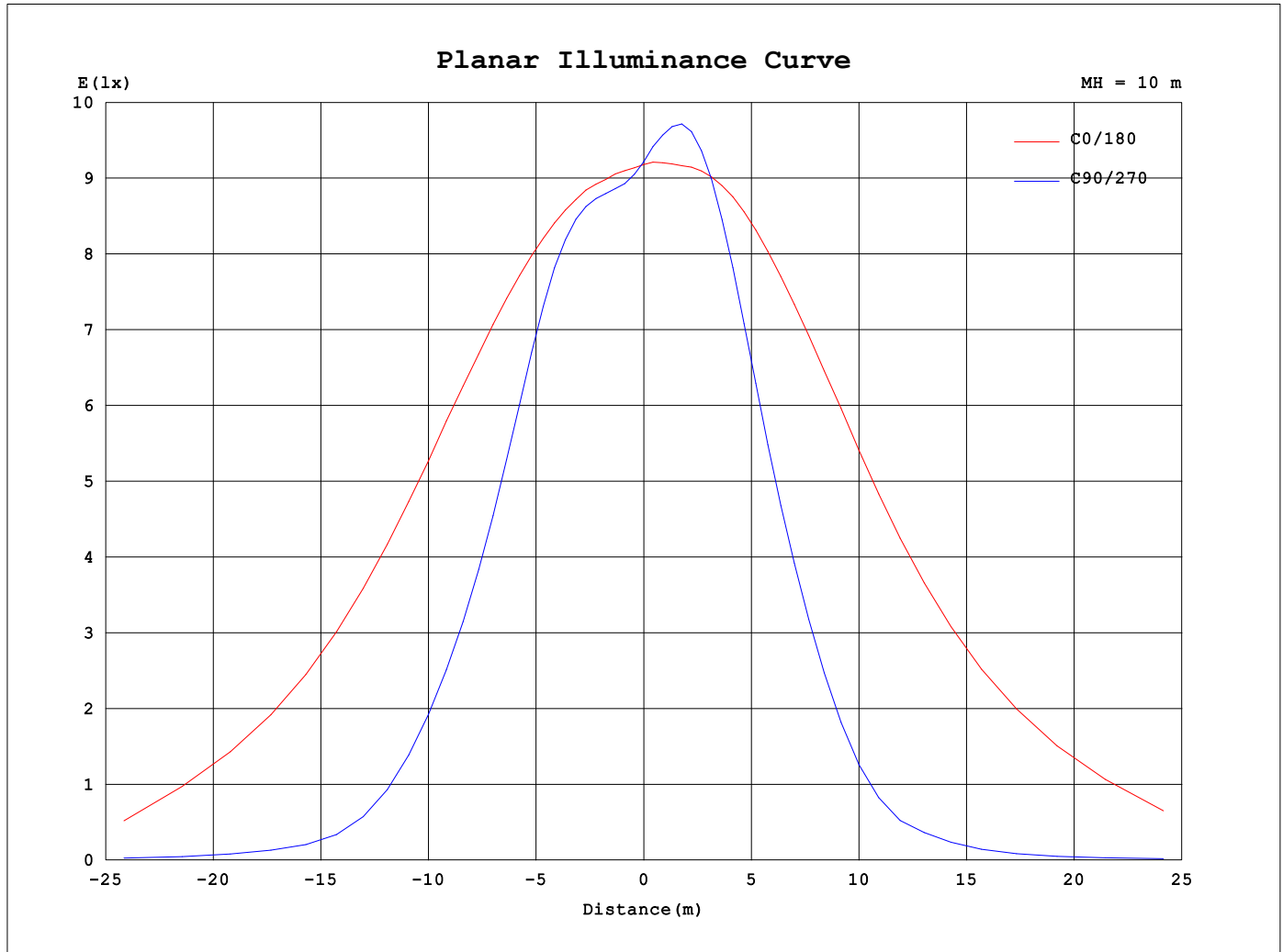
NAME: 98ROUTE30SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 320 x 130 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 01 November 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

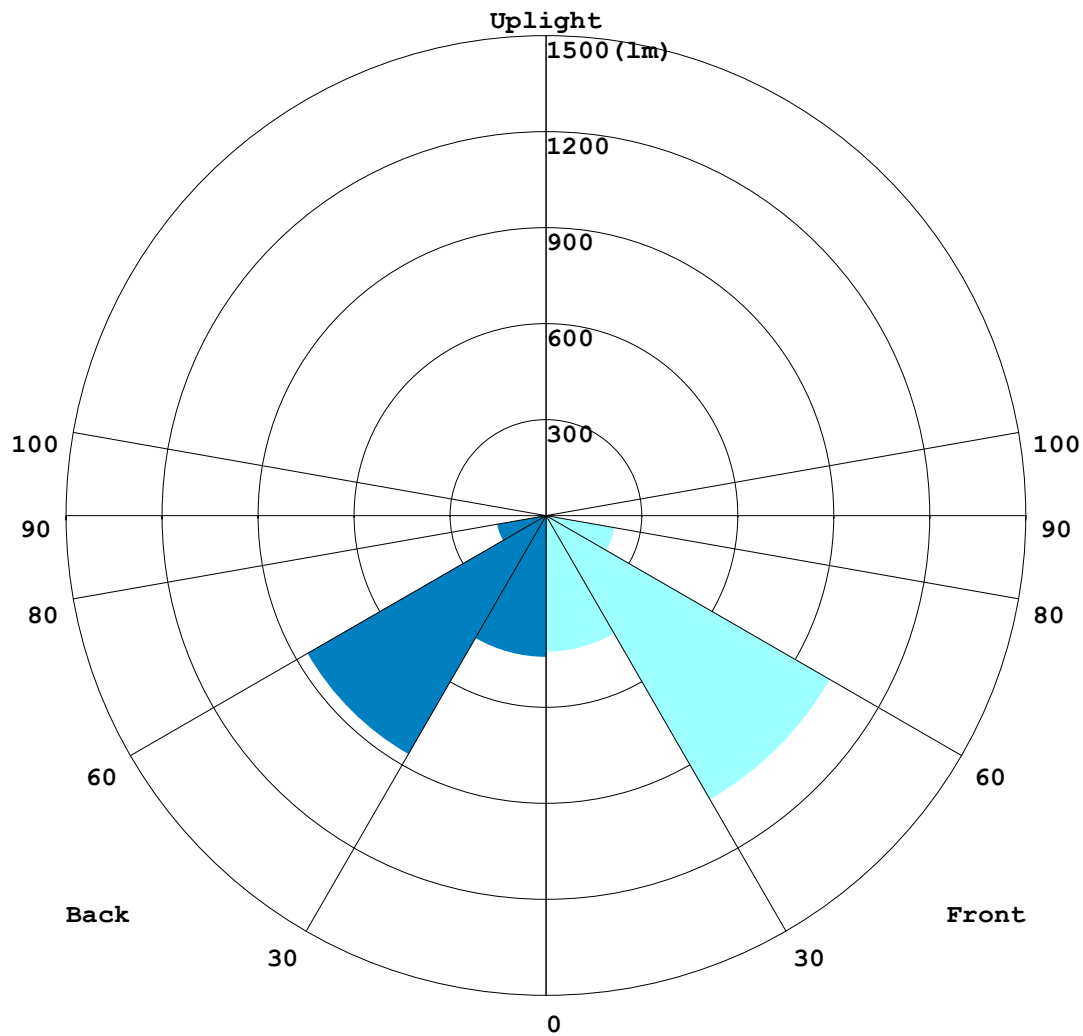


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 01 November 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

LCS REPORT

NAME: 98ROUTE30SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 320 x 130 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 01 November 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

BUG REPORT

NAME: 98ROUTE30SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 320 x 130 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	425.91	13.6
FM - Front-Medium(30-60)	1024.5	32.6
FH - Front-High(60-80)	217.88	6.9
FVH - Front-Very High(80-90)	9.7677	0.3
Total Forward Light	1678.1	53.4

BL - Back-Low(0-30)	441.78	14.1
BM - Back-Medium(30-60)	860.99	27.4
BH - Back-High(60-80)	154.87	4.9
BVH - Back-Very High(80-90)	5.8384	0.2
Total Back Light	1463.5	46.6

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1463.5	0	1463.5
Street Side	1678.1	0	1678.1

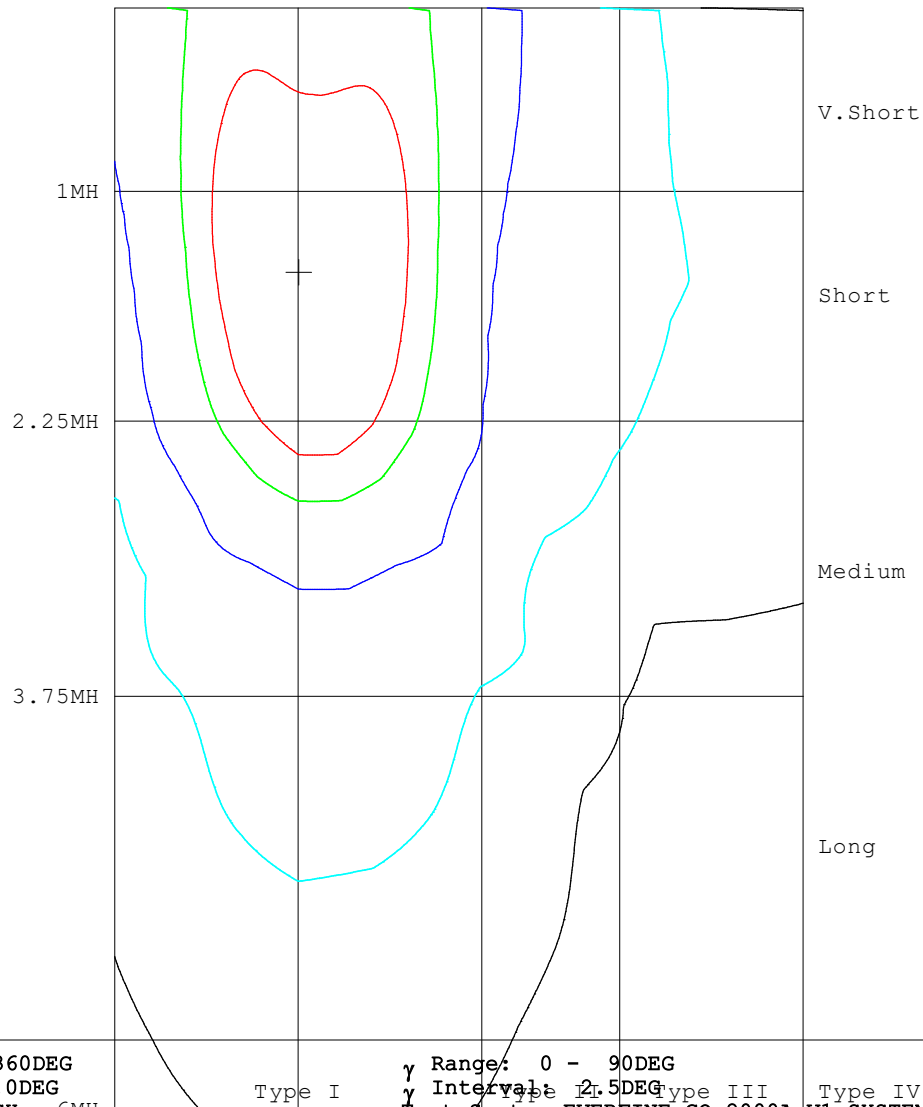
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 November 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

NAME: 98ROUTE30SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 320 x 130 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 01 November 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A-V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

70% 1143.9
50% 817.04
5% 81.704

```

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```